THE INSECT PEST SURVEY
BULLETIN

SPREAD OF ALFALFA WEEVIL IN 1939
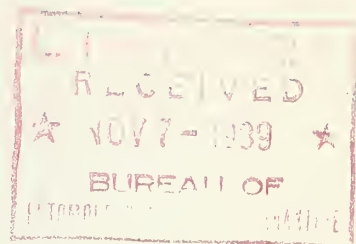
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Scouting for alfalfa weevil by Bureau employees during 1939 was severely limited, but the joint efforts of State and Federal workers revealed occurrence of the weevil in four counties not heretofore known to be infested in three States. The new infestations are as follows: Colorado, Larimer County; Nebraska, Morrill and Sheridan Counties[1]; Wyoming, Crook County.

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[1] Reported by the Bureau of Entomology and Plant Quarantine in cooperation with L. M. Gates, of the Nebraska Department of Agriculture and Inspection.

Details of this season's scouting by Bureau personnel of the alfalfa weevil laboratory are summarized in table 1, which shows 129,775 sweeps of an insect net taken in 236 fields in 51 counties in 9 western States. Table 2 shows results of sweeping in counties heretofore found infested.

Table 1.--<u>Detailed results of alfalfa weevil scouting, 1939</u>

State and county	Fields swept	Total sweeps	Weevils found: Larvae	Adults	Fields infested
	Number	Number	Number	Number	Number
California[1]:					
Colusa---------------:	8	4,000	0	0	---
Lake-----------------:	7	2,900	0	0	---
Nevada---------------:	1	500	0	0	---
Placer---------------:	2	1,600	0	0	--
Sacramento-----------:	15	7,500	0	0	---
Solano---------------:	8	4,200	0	0	---
Sutter---------------:	10	5,000	0	0	--
Yolo-----------------:	13	6,500	0	0	---
Yuba-----------------:	10	5,000	0	0	---
Colorado:					
Adams----------------:	3	1,600	0	0	---
Elbert---------------:	1	500	0	0	--
Larimer[2]-----------:	2	1,000	5	0	1
Logan----------------:	4	1,850	0	0	---
Morgan---------------:	6	3,100	0	0	---
Sedgwick-------------:	3	1,300	0	0	---
Idaho[3]:					
Lemhi----------------:	--	--	--	--	---
Iowa:					
Pottawattamie--------:	7	3,900	0	0	---
Mills----------------:	1	500	0	0	---
Montana:					
Carbon---------------:	5	2,500	0	0	---
Carter---------------:	1	500	0	0	---
Custer---------------:	3	1,400	0	0	---
Powder River---------:	6	3,050	0	0	---
Richland-------------:	6	2,900	0	0	---
Rosebud--------------:	6	3,400	0	0	---
Stillwater-----------:	3	1,450	0	0	---
Yellowstone----------:	10	5,500	0	0	---

Table 1.--Detailed results of alfalfa weevil scouting, 1939--Continued

State and county	Fields swept	Total sweeps	Weevils found Larvae	Weevils found Adults	Fields infested
	Number	Number	Number	Number	Number
Nebraska [4]:					
Buffalo--------------:	3	1,200	0	0	--
Butler--------------:	2	1,150	0	0	--
Cheyenne [5]----------:	-	--	-	-	--
Colfax--------------:	2	1,250	0	0	--
Dawson--------------:	4	2,400	0	0	--
Deuel [2]------------:	2	1,000	0	0	--
Dodge--------------:	1	750	0	0	--
Douglas--------------:	3	1,600	0	0	--
Garden--------------:	3	3,050	0	0	--
Hall--------------:	1	200	0	0	--
Hamilton--------------:	3	1,450	0	0	--
Lincoln--------------:	6	3,200	0	0	--
Merrick--------------:	3	2,350	0	0	--
Morrill--------------:	7	6,300	4	0	2
Sarpy--------------:	3	2,100	0	0	--
Saunders--------------:	4	2,200	0	0	--
Sheridan--------------:	2	1,975	0	2	1
North Dakota:					
Billings--------------:	3	2,700	0	0	--
McKenzie--------------:	3	1,500	0	0	--
Oregon [6]:					
Lane--------------:	11	5,500	0	0	--
South Dakota:					
Butte--------------:	4	2,050	0	0	--
Harding--------------:	1	300	0	0	--
Lawrence--------------:	7	4,500	0	0	--
Meade--------------:	5	2,000	0	0	--
Pennington--------------:	5	3,100	0	0	--

Table 1.--Detailed results of alfalfa weevil scouting, 1939--Continued

State and county	Fields swept	Total sweeps	Weevils found Larvae	Weevils found Adults	Fields infested
	Number	Number	Number	Number	Number
Wyoming:					
Albany-------------------	6	4,100	0	0	---
Crook-------------------	1	200	2	0	1

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[1] In cooperation with M. L. Jones, of the California Department of Agriculture, except in Solano County.

[2] Also reported infested by J. H. Newton, of the Colorado Department of Agriculture.

[3] No scouting by Bureau of Entomology and Plant Quarantine, but R. A. Fisher, of the Idaho Experiment Station, reported scouting around Salmon, in Lemhi County, with negative results.

[4] Garden, Morrill, and Sheridan Counties scouted in cooperation with L. M. Gates, of the Nebraska Department of Agriculture and Inspection.

[5] Scouting in this county by L. M. Gates, of the Nebraska Department of Agriculture and Inspection, yielded negative results.

[6] Frank McKennon, of the Oregon Department of Agriculture, reported that State inspectors scouted in Wallowa and Lane Counties, with negative results.

Table 2.--Results of sweeping alfalfa fields in 1939 in counties
previously reported infested by alfalfa weevil

State and county	Fields	Sweeps	Result
	Number	Number	
California[1]:			
Merced---------------:	15	5,300	Occurrence verified
Modoc----------------:	6	1,800	Weevil not found
San Joaquin----------:	1	300	------Do-----------
Siskiyou-------------:	7	2,250	------Do-----------
Stanislaus-----------:	6	2,070	Occurrence verified
Colorado[2]:			
Montezuma------------:	--	--	------Do-----------
Weld-----------------:	--	--	------Do-----------
Idaho[3]:			
Butte----------------:	--	--	------Do-----------
Custer---------------:	--	--	Weevil not found
Montana:			
Big Horn-------------:	6	2,650	Occurrence verified
Nebraska[4]:			
Box Butte------------:	2	500	-------Do----------
Dawes----------------:	4	700	Weevil not found
Scotts Bluff---------:	11	2,225	Occurrence verified
Sioux----------------:	2	225	Weevil not found
Oregon[5]:			
Baker----------------:	18	--	Occurrence verified
Douglas--------------:	--	--	Weevil not found
Harney---------------:	10	--	Occurrence verified
Union----------------:	22	--	-------Do----------
Wyoming[6]:			
Fremont--------------:	20	--	-------Do----------

[1] Reported by M. L. Jones, of the California Department of Agriculture.

[2] Reported by J. H. Newton, of the Colorado Department of Agriculture.

[3] Reported by R. A. Fisher, of the Idaho Experiment Station.

[4] Reported by L. M. Gates, of the Nebraska Department of Agriculture and Inspection.

[5] Reported by Frank McKennon, of the Oregon Department of Agriculture. In Union County the weevil was found farther north than heretofore.

[6] Reported by Margaret Greenwald, of the Wyoming State Entomology Office.